

Abstract of the Disclosure:

The method for dispersion compensation and the dispersion compensator that carries out the method, split an optical signal into two frequency bands  $f_H$  and  $f_L$ . The frequency bands 5 are transmitted in two Mach-Zehnder arms, where they are subjected to different propagation delays. When the frequency bands are recombined, they are polarized orthogonally with respect to one another.

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